

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/IT 03/00480

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 E04H4/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 E04H

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 566 559 A (WURTH RAIMUND HARALD) 20 October 1993 (1993-10-20)	1,2,7
Y	the whole document	3,10
Y	US 4 158 244 A (STEFAN GUNTER) 19 June 1979 (1979-06-19) abstract	3,10
A	US 5 787 519 A (SMITH ROBERT LESLIE) 4 August 1998 (1998-08-04) column 4, line 22 -column 5, line 14 column 5, line 60 -column 6, line 38 figures 1-3	1,2,4,7, 8,11,12



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

## \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
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- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
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Date of the actual completion of the International search

6 November 2003

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13/11/2003

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# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IT 03/00480

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0566559	A	20-10-1993	AT 396705 B	25-11-1993
			AT 77092 A	15-03-1993
			EP 0566559 A1	20-10-1993
US 4158244	A	19-06-1979	CA 1114556 A1	22-12-1981
			AU 516277 B2	28-05-1981
			AU 3814678 A	24-01-1980
			DE 2738447 A1	01-02-1979
			FR 2398162 A1	16-02-1979
			GB 1561015 A	13-02-1980
US 5787519	A	04-08-1998	AU 702398 B2	18-02-1999
			AU 2539995 A	21-12-1995
			CA 2183075 A1	07-12-1995
			EP 0760888 A1	12-03-1997
			WO 9533112 A1	07-12-1995
			NZ 285866 A	29-01-1997